

Thymopentin - Purified

Catalog No.:	AR10245PU-L
Quantity:	1 g
Concentration:	1.0 mg/ml (prior to lyophil.)
Background:	Thymopentin, also known as TP-5, is a Synthetic pentapeptide which is the active site of the naturally occurring hormone thymopoietin with immunomodulating properties (corresponding to the amino acids 32-36 of thymopoietin). Thymopentin enhances the production of thymic T cells and may help restore immunocompetence in immunosuppressed subjects. This agent also augments the effects of ionizing radiation by arresting cancer cells in the G2/M phase of the cell cycle.
Source:	Synthetic
Format:	State: Sterile Filtered White lyophilized (freeze-dried) powder without additives Purity: >99.0% as determined by RP-HPLC and SDS-PAGE analysis Reconstitution: Restore in sterile 18MΩ·cm ⁻¹ H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Description:	Thymopentin has a Molecular formula of C ₃₀ H ₄₉ N ₉ O ₉ AA Sequence: H-Arg-Lys-Asp-Val-Tyr-OH
Storage:	Prior to reconstitution store at RT for one month or desiccated below -18°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freezing and thawing. Shelf life: one year from despatch.